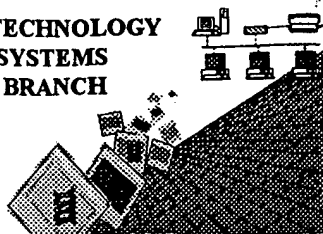BIOTECHNOLOGY
SYSTEMS
BRANCH

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _09/830,914 B_
Source: _Pur/09 (Rush_
Date Processed by STIC: _8/26/2002_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
    http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
    U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
            Or
    U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

pp 1,4

please place prior
application number
directly above
the filing date

RAW SEQUENCE LISTING   DATE: 08/26/2002
PATENT APPLICATION: US/09/830,914B   TIME: 14:34:57

Input Set : A:\pf0621usn_seqlist.txt
Output Set: N:\CRF3\08262002\I830914B.raw

```
   4 <110> APPLICANT: INCYTE PHARMACEUTICALS, INC.
   5        TANG, Y. Tom
   6        CORLEY, Neil C.
   7        GORGONE, Gina A.
   8        GUEGLER, Karl J.
   9        BAUGHN, Mariah R.
  11 <120> TITLE OF INVENTION: MYOSIN HEAVY CHAIN HOMOLOG
  13 <130> FILE REFERENCE: PF-0621 PCT
C--> 15 <140> CURRENT APPLICATION NUMBER: US/09/830,914B
C--> 16 <141> CURRENT FILING DATE: 2002-08-26
  18 <150> PRIOR APPLICATION NUMBER: 09/187,060; unassigned
W--> 19 <151> PRIOR FILING DATE: 1998-11-05; 1998-11-05
  21 <160> NUMBER OF SEQ ID NOS: 4
  23 <170> SOFTWARE: PERL Program
  25 <210> SEQ ID NO: 1
  26 <211> LENGTH: 612
  27 <212> TYPE: PRT
  28 <213> ORGANISM: Homo sapiens
  30 <220> FEATURE:
  31 <221> NAME/KEY: misc_feature
  32 <223> OTHER INFORMATION: Incyte ID No: 1929760CD1
  34 <400> SEQUENCE: 1
  35 Met Phe Cys Pro Pro Gln Val Ser Cys Ser Leu Ser Leu Met Pro
  36   1               5                  10                  15
  37 Arg Leu Pro Ser Ile Arg His Trp Gln Gly Pro Ser His Pro Gly
  38                  20                  25                  30
  39 Phe Leu Gly Pro Leu Phe Pro Ile Cys Ser Leu Gln Trp Pro His
  40                  35                  40                  45
  41 Gly Phe Ser Ala Ile Phe Pro Gly Leu Leu Asp Val Tyr Gly Phe
  42                  50                  55                  60
  43 Glu Ser Phe Pro Asp Asn Ser Leu Glu Gln Leu Cys Ile Asn Tyr
  44                  65                  70                  75
  45 Ala Asn Glu Lys Leu Gln Gln His Phe Val Ala His Tyr Leu Arg
  46                  80                  85                  90
  47 Ala Gln Gln Glu Glu Tyr Ala Val Glu Gly Leu Glu Trp Ser Phe
  48                  95                 100                 105
  49 Ile Asn Tyr Gln Asp Asn Gln Pro Cys Leu Asp Leu Ile Glu Gly
  50                 110                 115                 120
  51 Ser Pro Ile Ser Ile Cys Ser Leu Ile Asn Glu Glu Cys Arg Leu
  52                 125                 130                 135
  53 Asn Arg Pro Ser Ser Ala Arg Gln Leu Gln Thr Arg Ile Glu Thr
  54                 140                 145                 150
  55 Ala Leu Ala Gly Ser Pro Cys Leu Gly His Asn Lys Leu Ser Arg
```

RAW SEQUENCE LISTING   DATE: 08/26/2002
PATENT APPLICATION: US/09/830,914B   TIME: 14:34:57

Input Set : **A:\pf0621usn_seqlist.txt**
Output Set: **N:\CRF3\08262002\I830914B.raw**

```
56                  155                 160                 165
57 Glu Pro Ser Phe Ile Val Val His Tyr Ala Gly Pro Val Arg Tyr
58                  170                 175                 180
59 His Thr Ala Gly Leu Val Glu Lys Asn Lys Asp Pro Ile Pro Pro
60                  185                 190                 195
61 Glu Leu Thr Arg Leu Leu Gln Gln Ser Gln Asp Pro Leu Leu Met
62                  200                 205                 210
63 Gly Leu Phe Pro Thr Asn Pro Lys Glu Lys Thr Gln Glu Glu Pro
64                  215                 220                 225
65 Pro Gly Gln Ser Arg Ala Pro Val Leu Thr Val Val Ser Lys Phe
66                  230                 235                 240
67 Lys Ala Ser Leu Glu Gln Leu Leu Gln Val Leu His Ser Thr Thr
68                  245                 250                 255
69 Pro His Tyr Ile Arg Cys Ile Lys Pro Asn Ser Gln Gly Gln Ala
70                  260                 265                 270
71 Gln Thr Phe Leu Gln Glu Glu Val Leu Ser Gln Leu Glu Ala Cys
72                  275                 280                 285
73 Gly Leu Val Glu Thr Ile His Ile Ser Ala Ala Gly Phe Pro Ile
74                  290                 295                 300
75 Arg Val Ser His Arg Asn Phe Val Glu Arg Tyr Lys Leu Leu Arg
76                  305                 310                 315
77 Arg Leu His Pro Cys Thr Ser Ser Gly Pro Asp Ser Pro Tyr Pro
78                  320                 325                 330
79 Ala Lys Gly Leu Pro Glu Trp Cys Pro His Ser Glu Glu Ala Thr
80                  335                 340                 345
81 Leu Glu Pro Leu Ile Gln Asp Ile Leu His Thr Leu Pro Val Leu
82                  350                 355                 360
83 Thr Gln Ala Ala Ala Ile Thr Gly Asp Ser Ala Glu Ala Met Pro
84                  365                 370                 375
85 Ala Pro Met His Cys Gly Arg Thr Lys Val Phe Met Thr Asp Ser
86                  380                 385                 390
87 Met Leu Glu Leu Leu Glu Cys Gly Arg Ala Arg Val Leu Glu Gln
88                  395                 400                 405
89 Cys Ala Arg Cys Ile Gln Gly Gly Trp Arg Arg His Arg His Arg
90                  410                 415                 420
91 Glu Gln Glu Arg Gln Trp Arg Ala Val Met Leu Ile Gln Ala Ala
92                  425                 430                 435
93 Ile Arg Ser Trp Leu Thr Arg Lys His Ile Gln Arg Leu His Ala
94                  440                 445                 450
95 Ala Ala Thr Val Ile Lys Arg Ala Trp Gln Lys Trp Arg Ile Arg
96                  455                 460                 465
97 Met Ala Cys Leu Ala Ala Lys Glu Leu Asp Gly Val Glu Glu Lys
98                  470                 475                 480
99 His Phe Ser Gln Ala Pro Cys Ser Leu Ser Thr Ser Pro Leu Gln
100                 485                 490                 495
101 Thr Arg Leu Leu Glu Ala Ile Ile Arg Leu Trp Pro Leu Gly Leu
102                 500                 505                 510
103 Val Leu Ala Asn Thr Ala Met Gly Val Gly Ser Phe Gln Arg Lys
104                 515                 520                 525
```

RAW SEQUENCE LISTING   DATE: 08/26/2002
PATENT APPLICATION: US/09/830,914B   TIME: 14:34:57

Input Set : **A:\pf0621usn_seqlist.txt**
Output Set: **N:\CRF3\08262002\I830914B.raw**

```
105 Leu Val Val Trp Ala Cys Leu Gln Leu Pro Arg Gly Ser Pro Ser
106                 530                 535                 540
107 Ser Tyr Thr Val Gln Thr Ala Gln Asp Gln Ala Gly Val Thr Ser
108                 545                 550                 555
109 Ile Arg Ala Leu Pro Gln Gly Ser Ile Lys Phe His Cys Arg Lys
110                 560                 565                 570
111 Ser Pro Leu Arg Tyr Ala Asp Ile Cys Pro Glu Pro Ser Pro Tyr
112                 575                 580                 585
113 Ser Ile Thr Gly Phe Asn Gln Ile Leu Leu Glu Arg His Arg Leu
114                 590                 595                 600
115 Ile His Val Thr Ser Ser Ala Phe Thr Gly Leu Gly
116                 605                 610
119 <210> SEQ ID NO: 2
120 <211> LENGTH: 2109
121 <212> TYPE: DNA
122 <213> ORGANISM: Homo sapiens
124 <220> FEATURE:
125 <221> NAME/KEY: misc_feature
126 <223> OTHER INFORMATION: Incyte ID No: 1929760CB1
128 <400> SEQUENCE: 2
129 tgatgctctg ggctgtcttc acacttcatt tgggtttcct gcttgctctg agctctacag   60
130 gggaatgggg tagagatggg agccaccttg ggtggagggt ggggaaggta tgttctgccc  120
131 accacaggtg tcatgctcac tcagcctgat gcccaggctg ccaagtataa ggcattggca  180
132 ggggcccagc caccctgggt tccttggtcc cctattcccc atctgctccc tgcagtggcc  240
133 ccatgggttc tctgccatct tcccaggcct gctggatgtg tatggatttg aatcatttcc  300
134 tgacaacagt ctggaacagt tgtgcatcaa ctacgccaat gagaagctgc agcagcattt  360
135 tgtggctcac tacctaaggg cccagcagga ggaatacgca gttgagggcc tggagtggtc  420
136 attcatcaac taccaggaca accagccctg tttggatctc attgagggaa gccccatcag  480
137 catctgctcc ctcataaatg aggaatgccg cctcaatcga cccagcagcg cacgccagct  540
138 ccagacacgc attgagactg ccctggcagg cagcccctgc ctgggccaca ataagctcag  600
139 ccgggagccc agcttcattg tggtgcatta tgcggggcct gtgcggtacc acacagcagg  660
140 cctggtggag aagaacaagg accctatccc acctgagctg accaggctcc tgcagcaatc  720
141 ccaggacccc ctgctcatgg ggctgtttcc tactaacccc aaagagaaga cccaggagga  780
142 acccctggc cagagcaggg ccctgtgtt gaccgtggtg tccaagttca aggcctcact  840
143 ggagcagctt ctgcaggtcc tacacagcac cacgccccac tacattcgct gcatcaagcc  900
144 caacagccag ggccaggcgc agacctttct ccaagaggag gtcctgagcc agctggaggc  960
145 ctgtggcctc gtggagacca tccatatcag tgctgctggc ttccccatcc gggtctctca 1020
146 ccgaaacttt gtagaacgat acaagttact aagaaggctt catccttgca catcctctgg 1080
147 ccccgacagc ccatatcctg ccaaagggct ccctgaatgg tgtccacaca gcgaggaagc 1140
148 cacgcttgaa cctctcatcc aggacattct ccacactctg ccggtcctaa ctcaggcagc 1200
149 agccataact ggtgactcgg ctgaggccat gccagccccc atgcactgtg caggaccaa 1260
150 ggtgttcatg actgactcta tgctggagct tctggaatgt gggcgtgccc gggtgctgga 1320
151 gcagtgtgcc cgctgcatcc agggtggctg gaggcgacac cggcaccgag agcaggagcg 1380
152 gcagtggcgg gccgtcatgc tcatccaggc agccattcgt tcctggttaa ctcggaaaca 1440
153 catccagagg ctgcatgcag ctgccacagt catcaagcgt gcatggcaga agtggagaat 1500
154 cagaatggcc tgccttgctg ctaaagagct ggatggtgtg gaagaaaaac acttctctca 1560
155 agctccctgt tccctgagca cctcgccgct gcagaccagg ctcctggagg caataatccg 1620
156 cctctggccc ctgggactgg tcctggccaa tacggctatg ggtgtaggca gctttcagag 1680
157 gaaattagtg gtctgggctt gcctccagct ccccaggggc agccccagta gctacactgt 1740
```

```
158 ccagacagca caagaccagg ctggtgtcac gtccatccga gcgctgcctc agggatcgat 1800
159 aaagtttcac tgcagaaagt ctccactgcg gtatgctgac atctgccctg aaccttcacc 1860
160 ctacagcatt acaggcttta atcagattct gctggaaaga cacaggctga tccacgtgac 1920
161 ctcttctgcc ttcactgggc tggggtgatc cttggtgcct ttgtttccac aaggcctttt 1980
162 cctgcccccct gccttgccaa agacatttaa tcagcacaca gctgccagac tattcccaca 2040
163 gtgctccaaa tgcacatgaa caacagtgac ggctccagcc ttcgacccag agccccgtgc 2100
164 ccagtgcgt                                                        2109
167 <210> SEQ ID NO: 3
168 <211> LENGTH: 1839
169 <212> TYPE: PRT
170 <213> ORGANISM: Caenorhabditis elegans
173 <300> PUBLICATION INFORMATION:
174 <308> DATABASE ACCESSION NO: GenBank ID No: g1279777
176 <300> PUBLICATION INFORMATION: 3
177 Met Phe Asn Tyr Ser Lys Ile Phe Gln Ile His Arg Ala Cys Ser
178  1               5                  10                  15
179 Pro Asn Arg Lys Lys Ile Gly Ser Ile Gln Tyr Gly Arg Arg Arg
180                 20                  25                  30
181 His Ser Trp Gln Gly Pro Val Val Pro Ala Ala Lys Leu Gln Val
182                 35                  40                  45
183 Leu Ile Lys Gly Val Arg Ile Trp His Arg His Pro Thr Leu Val
184                 50                  55                  60
185 Trp Ile Gly Ala Thr Leu Glu Glu Asp Ile Thr Phe Gln Thr Arg
186                 65                  70                  75
187 Asn Val Arg Ile Arg Leu Glu Asp Asp Thr Glu Val Glu Tyr Ala
188                 80                  85                  90
189 Ile Lys Ser Leu Asp Gln Leu Pro Phe Leu Arg Asn Pro Ala Phe
190                 95                 100                 105
191 Leu Val Gly Lys Asp Asp Leu Thr Leu Leu Ser Tyr Leu His Glu
192                110                 115                 120
193 Pro Ala Val Leu His Asn Leu Gln Val Arg Phe Val Lys Gly Ser
194                125                 130                 135
195 Ser Ile Tyr Thr Tyr Cys Gly Ile Val Leu Val Ala Ile Asn Pro
196                140                 145                 150
197 Tyr Ala Asp Cys Ser His Ile Tyr Gly Glu Glu Ile Ile Gln Val
198                155                 160                 165
199 Tyr Arg Gly Ala Gly Lys Ser Ala Arg Glu Met Asp Pro His Ile
200                170                 175                 180
201 Phe Ala Val Ala Glu Glu Ala His Phe Asp Met Gly Ala Phe Gly
202                185                 190                 195
203 Lys Ser Gln Ser Ile Ile Val Ser Gly Glu Ser Gly Ala Gly Lys
204                200                 205                 210
205 Thr Val Ser Ala Lys Phe Val Met Arg Tyr Leu Ala Ser Val Ala
206                215                 220                 225
207 Ala Ser Lys Thr Arg Asn Gly Gly Thr Thr Ser Ile Glu Ala Arg
208                230                 235                 240
209 Val Leu Ala Ser Asn Pro Ile Met Glu Ser Ile Gly Asn Ala Lys
210                245                 250                 255
211 Thr Ile Arg Asn Asp Asn Ser Ser Arg Phe Gly Lys Phe Ile Gln
```

W--> (handwritten annotation pointing to line 176)

(handwritten margin notes) <3097 this and its response are mandatory whenever <3087 has a response

(handwritten margin note) same error in Seg 4

RAW SEQUENCE LISTING   DATE: 08/26/2002
PATENT APPLICATION: US/09/830,914B   TIME: 14:34:57

Input Set : A:\pf0621usn_seqlist.txt
Output Set: N:\CRF3\08262002\I830914B.raw

```
212                   260                  265                  270
213 Ile Asn Phe Cys Glu Arg Gly Arg Arg Ile Val Gly Ala Glu Met
214                   275                  280                  285
215 Lys Thr Tyr Leu Leu Glu Lys Ser Arg Leu Val Phe Gln Ala Pro
216                   290                  295                  300
217 Gly Glu Arg Asn Tyr His Ile Phe Tyr Gln Leu Cys Ala Ala Arg
218                   305                  310                  315
219 Asn His Gln Val Leu Lys Asp Leu His Leu Gly Pro Cys Glu Ser
220                   320                  325                  330
221 Tyr Ser Tyr Leu Thr Gln Gly Gly Asp Ser Arg Ile Pro Gly Val
222                   335                  340                  345
223 Asp Asp Lys Ala Asp Phe Glu Ala Leu Leu Lys Ala Leu Gln Leu
224                   350                 ·355                  360
225 Leu Gly Phe Asp Glu Lys Gln Met Ser Asp Val Phe Arg Leu Leu
226                   365                  370                  375
227 Ala Gly Leu Leu Leu Leu Gly Asn Val His Phe Glu Asn Gly Glu
228                   380                  385                  390
229 Gly Ser Ser Ala Val Ser Ala Ser Ser Cys Gln Glu Ile Ser Arg
230                   395                  400                  405
231 Leu Cys Arg Glu Phe Trp Lys Ile Ser Glu Ser Asp Leu Arg Ile
232                   410                  415                  420
233 Trp Leu Thr Arg Arg Glu Ile Arg Ala Val Asn Glu Ile Val Thr
234                   425                  430                  435
235 Lys Pro Leu Thr Lys Asn Glu Ala Val Arg Ser Arg Asp Ala Leu
236                   440                  445                  450
237 Thr Lys Met Leu Tyr Ser His Leu Phe Gly Trp Leu Val Asp Lys
238                   455                  460                  465
239 Ile Asn Glu Ala Leu Asn Glu Lys Asp Lys Leu Asp Gly Thr Asn
240                   470                  475                  480
241 Gln Lys Lys Arg Pro Asp Arg Phe Ile Gly Val Leu Asp Ile Tyr
242                   485                  490                  495
243 Gly Phe Glu Thr Phe Asp Val Asn Ser Phe Glu Gln Phe Ser Ile
244                   500                  505                  510
245 Asn Tyr Ala Asn Glu Lys Leu Gln Gln Gln Phe Asn Gln His Val
246                   515                  520                  525
247 Phe Lys Leu Glu Gln Glu Glu Tyr Ile Arg Glu Glu Ile Glu Trp
248                   530                 ·535                  540
249 Val Arg Val Asp Phe His Asp Asn Gln Pro Ala Ile Asp Leu Ile
250                   545                  550                  555
251 Glu Gly Pro Val Gly Met Ile Asn Leu Leu Asp Glu Gln Cys Lys
252                   560                  565                  570
253 Arg Leu Asn Gly Ser Asp Ala Asp Trp Leu Ser Gln Leu Gln Asn
254                   575                  580                  585
255 Ser Thr Glu Leu Lys Arg Asn Pro Gln Leu Ala Phe Pro Lys Val
256                   590                  595                  600
257 Arg Ser Asn Asp Phe Ile Val Arg His Phe Ala Ala Asp Val Thr
258                   605                  610                  615
259 Tyr Ser Thr Asp Gly Phe Val Glu Lys Asn Arg Asp Ala Ile Gly
260                   620                  625                  630
```

VERIFICATION SUMMARY   DATE: 08/26/2002
PATENT APPLICATION: US/09/830,914B   TIME: 14:34:58

Input Set : **A:\pf0621usn_seqlist.txt**
Output Set: **N:\CRF3\08262002\I830914B.raw**

L:15 M:270 C: Current Application Number differs, Replaced Current Application Number
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:19 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:176 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:3
L:434 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:4